



WarpX - Open Source Wearable/IoT Embedded Platform

> warpx.io Community

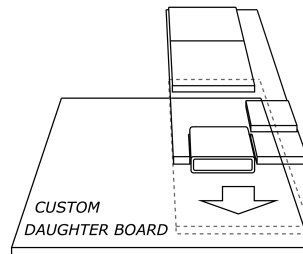
What is demonstrated

Warp is our ultra small form-factor, application processor based embedded system running the latest Linux kernel and Yocto OS, designed for wearables, sensors, and IoT devices.

- > 1Ghz ARM / 512MB Ram / 4GB Flash / Wi-Fi+BT / more
- > Self contained compute platform
- > Can be battery powered (on-board charger/monitor)
- > Lots of I/O: GPIO, UART, SPI, I2C, EPDC, I2S, more
- > Open-hardware and open-source platform

Hybrid Design Architecture

HDA defines a messaging architecture which enables rapid prototyping and easy expansion of Warp with application specific peripherals using a traditional MCUs as a sensor hub. This differs from traditional carrier boards since Warp is fully self contained.



What was improved



Efficient Battery Usage

Achieves very low sleep currents
< 13mW in suspend



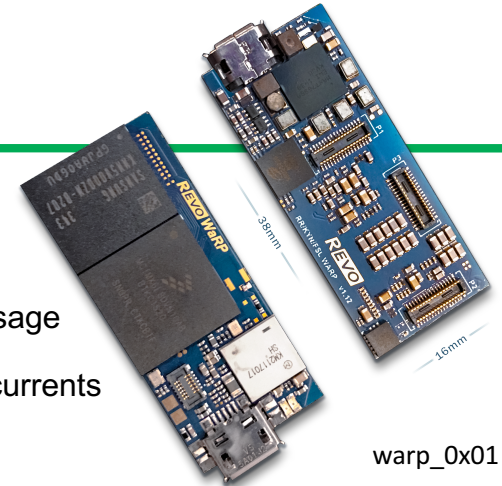
Fast to Boot & Resume

Boots in seconds (< 5s depending on configuration) and resumes near instantly (typ. under 200ms).



Small Form Factor

At 16mm x 38mm in size, Warp can easily be integrated into designs and speed up development.



Source code & detailed technical information available

Join our community and find sources at:

> **warpx.io**

